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KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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This is the last issue of the 2004 Weekly Crop Weather Report. We thank and are most appreciative of the many farmers, county agricultural agents, county FSA offices, soil conservationists, and others who made this report possible by supplying the basic information each week. Thanks to Tom Priddy and the U.K. Ag Weather Center for supplying the weather data for this report. Also, thanks to the agricultural news media for the professional manner in which they distribute agricultural news across the State. Publication of the 2005 series will begin about the first week of April.

AGRICULTURAL NEWS: Early week clear skies and light winds helped farmers harvest their corn and soybean crops. Rainfall on Thursday provided moisture that was beneficial for tobacco stripping. By week's end, farmers were again harvesting fall crops. In addition to harvesting corn and soybeans and stripping tobacco farmers were busy sowing their winter wheat as soil conditions permitted. **Topsoil moisture** as of Friday, November 12, was 1 percent short, 59 percent adequate and 40 percent surplus. **Subsoil moisture** was 4 percent short, 68 percent adequate and 28 percent surplus. Days suitable for field work was 3.9 out of a possible seven days.

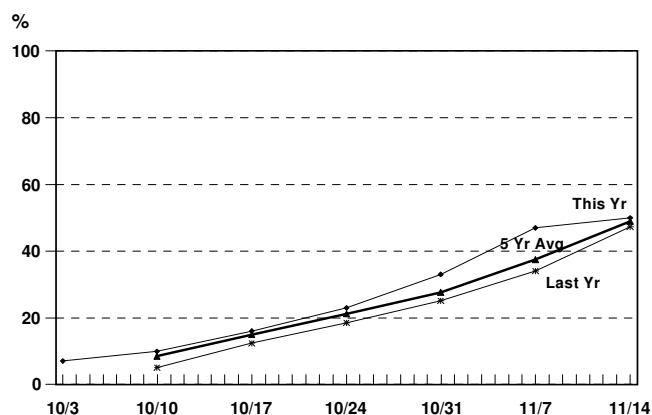
TOBACCO: As of Sunday, November 14, the **burley tobacco** was 50 percent stripped. This compared to 47 percent the previous year and 49 percent for the five-year average. Favorable humidity bolstered by a wet Thursday enabled stripping to continue. Most farmers expect to make their production quota. Farmers reported that their stripped tobacco is tending to weigh lighter than previously expected when the crop was housed. Quality has been reported as mostly good. Burley tobacco yield was last estimated as of October 1 at 2,000 pounds. This estimate was carried forward to November 1. Condition of the stripped tobacco was reported as 1 percent very poor, 5 percent poor, 28 percent fair, 48 percent good and 18 percent excellent.

CORN AND SOYBEANS: **Corn** harvest was virtually complete with 99 percent of the crop harvested on November 14. This compared to 98 percent for the 2003 crop and 99 percent for the five-year average. Corn yield as of November 1 was estimated at 150 bushels, a record high. Farmers reported a good to excellent corn crop with good quality. **Soybean** harvest was 78 percent complete compared to 89 percent last year at this time and 90 percent for the five-year average. Yields have been good to

excellent with good quality. Quality of beans still in the field has started to suffer due to slowed harvesting this fall. The soybean yield as of November 1 was estimated at 42 bushels per acre, 1.5 bushels below the record yield of 2003.

OTHER CROPS: **Winter wheat** seeding was 67 percent complete as of November 14. This compared to 95 percent last year and the five-year average of 91 percent. Farmers have been actively sowing their wheat as the grain harvest and soil conditions permit. The emerged crop was 1 percent very poor, 1 percent poor, 17 percent fair, 61 percent good and 20 percent excellent. Warm temperatures and good soil moisture have been favorable for germination of the crop. There is some concern that of the emerged crop may be to tall going into winter. **Pastures** have provided good grazing since rains greened up pastures in mid-October. Condition of pastures were rated as 1 percent very poor, 5 percent poor, 25 percent fair, 57 percent good and 12 percent excellent. Livestock were reported to be in good to excellent condition going into winter.

BURLEY TOBACCO PERCENT STRIPPED



KENTUCKY CROP PROGRESS
WEEK ENDING NOVEMBER 14, 2004
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Harvested	78	89	90	61	87
Burley Tobacco					
Stripped	50	47	49	47	NA
Wheat Seeded	67	95	91	52	91

(NA) Data Not Available.

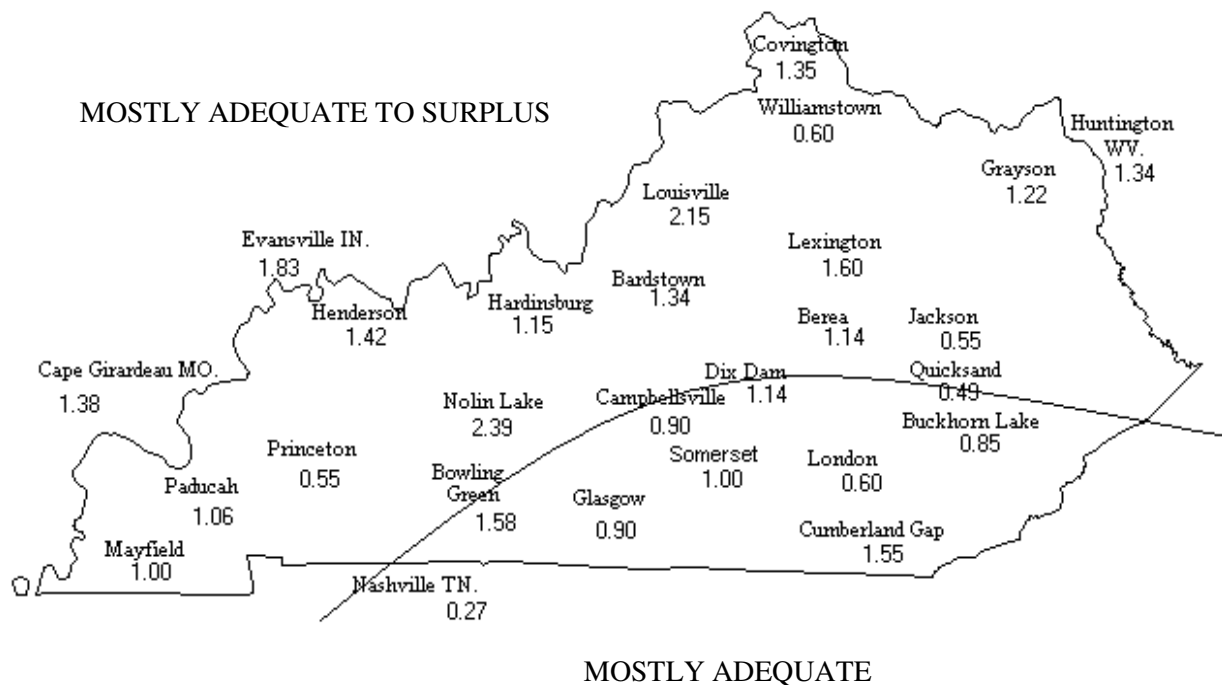
SOIL MOISTURE
WEEK ENDING NOVEMBER 12, 2004
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	0	0
Short	1	2
Adequate	59	53
Surplus	40	45
SUBSOIL		
Very Short	0	0
Short	4	6
Adequate	68	62
Surplus	28	32

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING NOVEMBER 12, 2004					WEEK ENDING NOVEMBER 5, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Emerged Wheat	1	1	17	61	20	0	1	23	55	21
Pasture	1	5	25	57	12	1	6	25	53	15
Stripped Tobacco	1	5	28	48	18	0	4	26	53	17

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, NOVEMBER 14, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, NOVEMBER 12, 2004



KENTUCKY WEATHER SUMMARY, NOVEMBER 8 - 14, 2004:
NEAR NORMAL TEMPERATURES AND ABOVE NORMAL PRECIPITATION:

The week began with high pressure in control keeping the skies clear and the winds light. Temperatures also dropped below freezing for several stations across the State prompting frost and freeze advisories. On Wednesday, temperatures warmed into the middle 60's during the day as southerly winds brought warm air into the region. Clouds began to filter in late Wednesday ahead of a storm system in the Central Plains. Clouds and rain lasted into Friday. Most areas saw about an inch of rain. After the cold front passed, temperatures dropped and winds gusted from the north as much as 25 miles per hour. The weekend was dry and cool as high pressure returned to the area. Statewide average precipitation has been above normal for the past 5 weeks.

Temperatures for the period averaged 48 degrees across the State which was 0 degree from normal. High temperatures averaged from 60 degrees in the West to 58 degrees in the East. Departure from normal high temperatures ranged from 2 degrees below normal in the West to 0 degree from normal in the East. Low temperatures averaged from 39 degrees in the West to 37 degrees in the East. Departure from normal low temperature ranged from 1 degree below normal in the West to 1 degree above normal in the East. The extreme high temperature was 71 degrees in Glasgow and Princeton. The extreme low temperature was 28 degrees in Grayson.

Rainfall for the period totaled 1.24 inches statewide which was 0.32 inches above normal. Precipitation totals by climate division, West 1.21 inches, Central 1.59 inches, Bluegrass 1.22 inches and East 0.95 inches, which was 0.21, 0.62, 0.39 and 0.07 inches respectively above normal. By station, precipitation totals ranged from a low of 0.55 inches at Princeton and Jackson to a high of 2.15 inches at Louisville.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL
FOR WEEK ENDING SUNDAY, NOVEMBER 14, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Relative Humidity	
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly Avg.	Dev. From Norm	Average High	Low
	(Inches)			(Degrees Fahrenheit)							
Bardstown	1.34	45.14	8.36	+16.85	+5.62	65	30	46.5	-1	96	53
Berea	1.14	42.38	6.21	+12.36	+3.16	67	31	48.4	+2	93	59
Bowling Green	1.58	37.63	5.92	+7.14	+2.49	64	33	48.7	+1	--	--
Bristol	0.77	32.00	3.93	+6.55	+1.39	63	29	48.0	+2	--	--
Buckhorn Lake	0.85	31.43	4.24	+2.75	+1.27	65	32	47.6	+1	--	--
Cape Girardeau	1.38	30.06	7.30	+1.52	+4.10	67	32	49.9	-0	--	--
Campbellsville	0.90	37.33	5.19	+3.64	+1.90	70	31	47.9	+0	96	56
Covington	1.35	34.60	7.75	+7.79	+4.84	64	30	43.9	-2	--	--
Cumberland Gap	1.55	26.19	4.22	-4.95	+0.72	65	32	47.6	+1	96	54
Dix Dam	1.14	40.55	7.33	+11.08	+4.33	65	31	47.0	+1	--	--
Evansville	1.83	30.17	7.90	+3.18	+4.86	66	30	47.2	-3	--	--
Glasgow	0.90	36.60	4.88	+4.02	+1.39	71	33	48.6	+1	99	59
Grayson	1.22	36.68	6.32	+9.13	+3.50	65	28	46.4	+0	96	54
Hardinsburg	1.15	34.22	7.50	+4.06	+4.19	66	33	48.2	+0	95	56
Henderson	1.42	29.95	6.15	+1.94	+2.99	65	32	48.5	-2	96	54
Huntington	1.34	34.87	5.84	+7.11	+2.93	65	27	45.6	-1	--	--
Jackson	0.55	45.63	5.69	+15.73	+2.57	65	33	48.1	+2	--	--
Lexington	1.60	46.56	9.48	+18.27	+6.74	64	29	44.8	-1	--	--
London	0.60	43.11	5.87	+15.19	+2.82	64	31	48.3	+2	--	--
Louisville	2.15	44.94	12.19	+16.98	+9.24	66	29	46.3	-2	--	--
Mayfield	1.00	22.34	6.21	-9.28	+2.29	65	32	47.6	-2	96	54
Nashville	0.27	33.86	3.91	+5.66	+0.80	66	38	51.9	+4	--	--
Nolin Lake	2.39	35.86	7.14	+3.64	+3.60	65	33	48.6	+1	--	--
Paducah	1.06	25.24	6.64	-5.00	+3.27	67	34	50.4	+0	92	49
Princeton	0.55	31.56	6.26	+1.11	+2.72	71	32	52.4	+2	97	52
Quicksand	0.49	39.49	5.38	+9.59	+2.26	65	32	47.6	+1	96	54
Somerset	1.00	40.20	5.53	+8.50	+2.10	73	29	48.5	+2	96	54
Spindletop	1.49	38.38	8.10	+10.09	+5.36	63	29	43.9	-2	93	55
Williamstown	0.60	32.21	7.63	+3.78	+4.62	64	30	45.6	-1	96	54

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

WIND CHILL CHART

Wind+ Speed MPH	Air Temperature (Degrees Fahrenheit)																
	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	33	27	21	16	12	7	1	-6	-11	-15	-20	-26	-31	-35	-41	-47	-54
10	21	16	9	2	-2	-9	-15	-22	-27	-31	-38	-45	-52	-58	-64	-70	-77
15	16	11	1	-6	-11	-18	-25	-33	-40	-45	-51	-60	-65	-70	-78	-85	-90
20	12	3	-4	-9	-17	-24	-32	-40	-46	-52	-60	-68	-76	-81	-88	-96	-103
25	7	0	-7	-15	-22	-29	-37	-45	-52	-58	-67	-75	-83	-89	-96	-104	-112
30	5	-2	-11	-18	-26	-33	-41	-49	-56	-63	-70	-78	-87	-94	-101	-109	-117
35	3	-4	-13	-20	-27	-35	-43	-52	-60	-67	-72	-83	-90	-98	-105	-113	-123
40	1	-4	-15	-22	-29	-36	-45	-54	-62	-69	-76	-87	-94	-101	-107	-116	-128
45	1	-6	-17	-24	-31	-38	-46	-54	-63	-70	-78	-87	-94	-101	-108	-118	-128
50	0	-7	-17	-24	-31	-38	-47	-56	-63	-70	-79	-88	-96	-103	-110	-120	-128

WIND CHILL (Equivalent Temperature)

During the winter months many decisions are made which depend upon the temperatures and the extremes which might be expected. Not only do we dress according to the thermometer, but we use it to anticipate the feed requirements and care of livestock. If we have to be out-of-doors, as is the case with children who have to stand waiting for a school bus, we soon find that the temperature alone gives too little information. Should the temperature be zero with a light wind, we would not be as cold as with a strong wind. Thus if we have an idea of how much wind increases the chilling effect of temperature on the human body, we can get a better estimate of how "cold" it really is. If you have any questions regarding the graph please contact Tom Priddy at (859) 257-3000.

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.